

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Lawson Industries, Inc. 8501 NW 90th Street Medley, Fl 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "8500" Aluminum Horizontal Rolling Window

APPROVAL DOCUMENT: Drawing No. **W99-60**, titled "Series-8500 Horiz. Rolling Window", sheets 1 through 5 of 5, prepared by Al Farooq Corporation, Inc., dated 8/19/99 with revision on 12/9/02, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews and revises NOA # 99-0830.03 and, consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime Eisen, P.E.



NOA No 02-1216.14 Expiration Date: February 18, 2008 Approval Date: February 06, 2003 Page 1

Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.

2. Drawing No. **W99-60**, titled "Series-8500 Horiz. Rolling Window", sheets 1 through 5 of 5, prepared by Al Farooq Corporation, Inc., dated 8/19/99 with revision on 12/9/02, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

Submitted under NOA #99-0830.03

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94

2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294

3) Water Resistance Test, per FBC, TAS 202-94

4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94 along with marked-up drawings and installation diagram of a series 8500 aluminum horizontal sliding window (XOX), prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2361**, dated July 12, 1999, signed and sealed by Jose D. Mitrani, P.E.

C. CALCULATIONS

1. Anchor calculations and comparative analysis, prepared by Al-Farooq Corporation, dated 12/10/02, signed and sealed by Humayoun Farooq, P.E.

Submitted under NOA #99-0830.03

 Anchor calculations and comparative analysis, prepared by Al-Farooq Corporation, dated August 20, 1999, signed and sealed by Humayoun Farooq, P.E.

D. MATERIAL CERTIFICATIONS

1. None

E. STATEMENTS

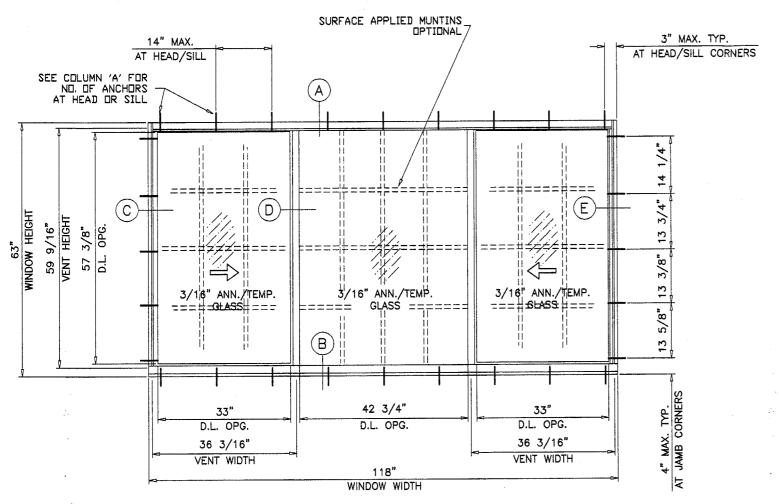
1. Statement letter of no change, issued by Lawson Industries, Inc., signed by Nelson Erazo, dated 12/13/02.

F. OTHER

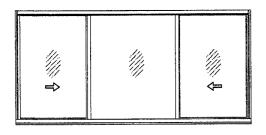
1. Notice of Acceptance No. **99-0830.03**, issued to Lawson Industries, Inc. for their Sreies 8500 Aluminum Horizontal Rolling Window, approved on 2/18/00 and expiring on 2/18/03.

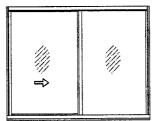
Jaime Eisen, P.E. Product Control Division NOA No 02-1216.14

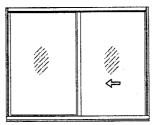
Expiration Date: February 18, 2008 Approval Date: February 06, 2003



TYPICAL ELEVATION TESTED UNIT







<u>0X</u>

XOX

FOR XOX SIZES VENT TO BE ±1/4 OF OVERALL WIDTH

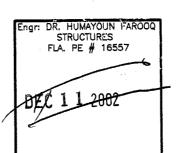
FOR XO OR OX SIZES VENT AND FIXED GLASS TO BE EQUAL WIDTHS

APPROVED CONFIGURATIONS

WINDOWS TO BE PROTECTED BY DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS

NOTES:

- THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE OF THE 2001 FLORIDA BUILDING CODE.
 ALSO FOR WIND LOADS AS PER ASCE 7-88. ASCE 7-93, ASCE 7-95 OR ASCE 7-98 AS REQUIRED BY PREVAILING BUILDING CODE.
- 2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- 3. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.



PRODUCT REVISED as complying with the Florido
Building Code
Acceptance No 02-12/6.14
Expiration Date 02/18/08 By Oce York
Minus Diffe Froduct Control

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX. (305) 262-6978 WINDOW SERIES—8500 HORIZ. ROLLING W **LAWSON INDUSTRIES**8501 N.W. 90TH STREET
MEDLEY, FL. 33160
TEL. (305) 696–8660 FAX (305) 66 REV. PER ASTM E by description ADDRESS REV. CHART RE revisions: 08-19-99 1/2" acale:
dr. by: drawing no. W99-60 sheet 1 of 5

		·	DESIGN 1								
	NDOW DIMS.			3/16"-ANN. GLASS						3/16"-TEMP. GLAS	
WINDOW DIMS.		# 10	SMS	3/16" 7	TAPCONS	1/4" T	APCONS 1/4" TAPC		PCONS		
WIDTH	HEIGHT	-	EXT.(+)	INT.(-)	EXT,(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	
26-1/2"		3	60,0	103.5	60.0	125.0	60,0	125.0	60.0	125.0	
37*	26*	4	60.0	98.8	60.0	125.0	60.0	125.0	60.0	125,0	
53-1/8*	(3)	5	60.0	86.0	60.0	125.0	60.0	125.0	60.0	125,0	
74"		6	60.0	74.1	60.0	90.4	60.0	90.4	60.0	125,0	
26-1/2"		3	60.0	70.1	60.0	113.2	60.0	125.0	60.0	125.0	
37"	38-3/8*	4	60.0	66.9	60.0	108.1	60.0	125.0	60,0	125.0	
53-1/8"	(4)	5	60.0	58.3	60.0	83.8	60.0	83.8	60.0	125.0	
74"		6	60.0	50.2	60.0	63.9	60.0	63,9	60.0	117.6	
26-1/2*		3	60.0	53.1	60.0	85.8	60.0	125.0	60.0	125.0	
37 *	50-5/8*	4	60.0	50.7	60.0	81.9	60.0	109,5	60,0	113.0	
53-1/8"	(5)	5	60.0	44.2	60.0	62.3	60.0	62,3	60,0	87.2	
74"		6	49.7	38.1	49.7	49.7	49.7	49.7	60.0	72.8	
26-1/2*		3	60.0	42.7	60.0	68.9	60.0	105.1	60.0	105.1	
37*	624	4	60.0	40.8	60.0	65.8	60.0	87.0	60.0	87.0	
53-1/8"	63 ′ (5)	5	48.7	35.5	48.7	48.7	48.7	48.7	60.0	65.5	
74"		6	38.2	30.6	38.2	38.2	38,2	38.2	52,5	52.5	
24"		3	60.0	123.8	60.0	125.0	60.0	125,0	60.0	125.0	
36*		4	60.0	110.0	60.0	125.0	60.0	125.0	60.0	125.0	
48"	24"	4	60.0	82.5	60.0	125.0	60.0	125.0	60.0	125.0	
60"	(3)	5	60.0	82.5	60.0	125,0	60.0	125.0	60.0	125.0	
72"		6	60'0	82.5	60.0	103.3	60.0	103.3	60.0	125.0	
24"		3	60.0	82.5	60.0	125.0	60.0	125.0	60.0	125.0	
36 *		4	60.0	73,3	60.0	118.4	60.0	125.0	60,0	125.0	
48"	36*	4	60.0	55.0	60.0	88.88	60.0	99.0	60.0	125.0	
60*	(3)	5	60.0	55.0	60.0	79.6	60.0	79.6	60.0	125.0	
72"		6	60.0	55.0	60.0	68.9	60.0	68.9	60.0	125.0	
24"		3	60.0	61.9	60.0	99,9	60.0	121.4	60.0	125.0	
36*		4	60.0	55.0	60.0	88.88	60.0	119.8	60.0	123,2	
48"	48*	4	60.0	41.3	60.0	66.6	60.0	73.0	60.0	100.1	
60"	(4)	5	59.2	41.3	59.2	59.2	59.2	59.2	60.0	87.4	
72 "		6	53.0	41.3	53.0	53.0	53,0	53.0	60.0	80.1	
24"		3	60.0	49.5	60.0	79.9	60.0	121.8	60.0	121.8	
36 "		4	60.0	44.0	60.0	71.0	60.0	94.2	60.0	94.2	
48"	60"	4	60.0	33,0	60.0	53,3	60.0	60.6	60.0	75.1	
60"	(5)	5	44.6	33.0	44.6	44.6	44,6	44.6	60.0	64.1	
72*		6	41.0	33.0	41.0	41.0	41.0	41.0	57,2	57.2	

A = NO. OF ANCHORS PER HEAD & SILL () = NO. OF ANCHORS PER JAMB

COMPARATIVE ANALYSIS CHARTS:

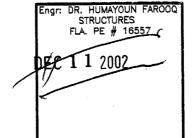
BASED ON TEST REPORT FTL-2361 DATED 7-12-99
TEST SIZE = 118" X 63" (XOX)
DESIGN LOADS = +50.0, -50.0 PSF
WATER INFILTRATION TEST = 8.0 PSF (SMALL BAFFLE)
= 9.0 PSF (LARGE BAFFLE)

TESTED GLASS = 3/16" ANNEALED

			DESIG	N LOAD	CAPACIT	Y - PSI	(XOX S	IZES)		
					/16"-AN				3/16"-TEN	IP. GLASS
WINDOV	V DIMS.		# 10	SMS	3/16" 7	TAPCONS	1/4" TA	PCONS	1/4" TA	PCONS
WIDTH	HEIGHT	A	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
74"		6	60.0	74.1	60.0	95.2	60,0	95,2	60.0	125,0
106-1/4"	26 ' (3)	9	60.0	65.8	60.0	65.8	60.0	65.8	60.0	125,0
74*		6	60.0	50,2	60,0	66.5	60.0	66.5	60.0	123.5
106-1/4"	38-3/8 * (4)	9	47.8	47.8	47.8	47.8	47.8	47.8	60.0	123.3
74*		6	51,3	38.1	51.3	51.3	51.3	51.3	60.0	88.5
106-1/4"	50-5/8 * (5)	9	40.0	39.8	40.0	40.0	40.0	40.0	60.0	76.1
	63*	6	39.4	30.6	39.4	39,4	39.4	39,4	60.0	65.5
74*	(5)	9	32.9	31.9	32,9	32.9	32.9	32,9	53.1	53.1
84*		7	60.0	82.5	60.0	91.7	60.0	91.7	60.0	125.0
96 *	24"	8	60.0	81.8	60.0	81.8	60.0	81.8	60.0	125.0
108"	(3)	9	60.0	76,5	60.0	76.5	60.0	76.5	60.0	125.0
84"		7	60.0	55.0	60.0	62,3	60.0	62,3	60.0	125.0
96*	36 ′ (3)	8	54.7	54.7	54.7	54.7	54.7	54.7	60.0	125.0
108"	(3)	9	46.8	46.8	46.8	46.8	46,8	46.8	60.0	125.0
84*		7	49,3	41.3	49.3	49.3	49.3	49.3	60.0	90.0
96*	48"	8	48.2	41.3	48.2	48.2	48,2	48.2	60.0	85.8
108*	(4)	9	41,9	41.3	41.9	41.9	41.9	41.9	60.0	83,0
84*		7	41,9	33.0	41.9	41.9	41.9	41,9	60.0	64.6
96*	60"	8	36.6	33.0	36.6	36.6	36.6	36.6	60.0	60.1
108"	(5)	9	33,9	33.0	33,9	33.9	33,9	33.9	57.0	57.0

A' = ND, DF ANCHORS PER HEAD & SILL () = ND, DF ANCHORS PER JAMB

EXTERIOR LOADS SHOWN ARE WITH 9.0 PSF BAFFLE.
WHEN 8.0 PSF BAFFLE IS USED REDUCE MAX. EXT.(+) LOADS TO 53.3 PSF.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 02-1216.14
Expiration Date 02.118.108

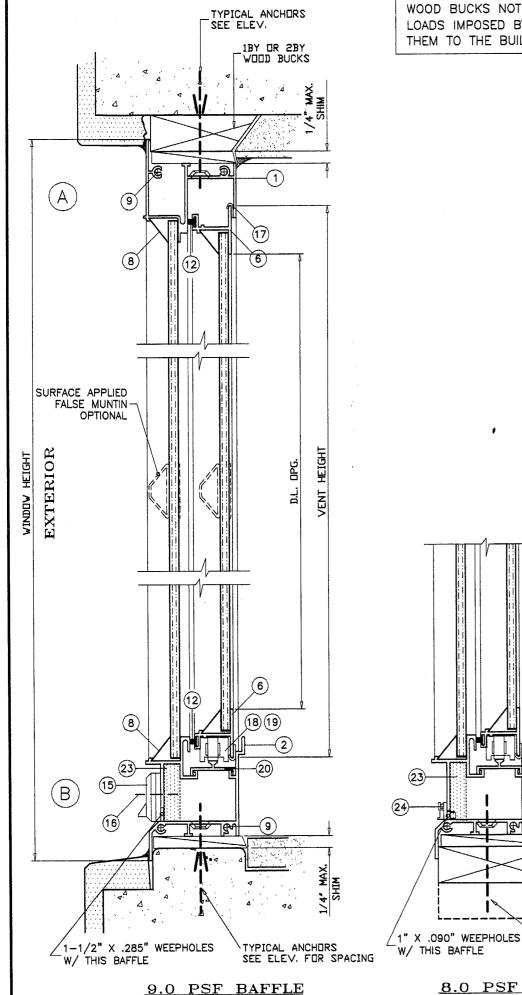
By

Miami Dave Froduct Contro

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978 LAWSON INDUSTRIES
8501 N.W. 90TH STREET
MEDLEY, FL. 33160
TEL (305) 696–8660 FAX (305) 696–6006 revisions:

no date by description

A 12.09.02 AUDRESS RRV. CHART RE date: 08 scale: 1, dr. by: 1 chk. by: drawing no. W99-60 sheet 2 of 5



WOOD BUCKS NOT BY LAWSON INDUSTRIES, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	L-7504	1	FRAME HEAD	6063-T5	
2	L-8502	1	FRAME SILL	6063~T6	-
3	L-8503	2	FRAME JAMB	6063-T6	-
4	L-7508	1/ VENT	FIXED RAIL	6063-T6	_
5	L-7509	1/ VENT	VENT MEETING RAIL	6063-T6	-
6	L-7507	2/ VENT	TOP AND BOTTOM RAIL	6063-T6	-
7	L-7506	1/ VENT	JAMB STILE	6063-T6	-
8	L-767	AS REQD.	GLAZING BEAD	ALUMINUM	ROLL FORMED
9	FS-006	AS REQD.	FRAME/VENT ASSEMBLY SCREWS	-	# 8 X 3/4" P.H. PHILLIPS SMS
10	-	2	FIX. RAIL SILL SCREWS (SILL END)	-	# 8 X 2" P.H. PHILLIPS SMS
11	L-770	AS REQD.	VENT JAMB RAIL W'STRIPPING	VINYL	1/4' DIA. BULB
12	PWS-003	AS REQD.	FIN SEAL WEATHERSTRIPPING	<u>-</u> '	.187" X .210" (7820-6001-9)
13	PWS-005	AS REQD.	FIN SEAL WEATHERSTRIPPING	-	.187" X .350" (7834-6001-7)
14	PWS-004	AS REQD.	FIN SEAL WEATHERSTRIPPING	-	.187" X .310" (7930-6001-9)
15	WFC-001	1/ WEEP	BAFFLE	NYLON	-
16	-	2/ BAFFLE	BAFFLE SCREW	[# 6 X 3/8" PH SMS
17	L-722	4/ VENT	VENT FACE GUIDE	PLASTIC	AT 2-7/8' FROM ENDS
18	L-763	4/ VENT	VENT ROLLER HOUSING	PLASTIC	AT EACH END
19	L-764	2/ VENT	VENT ROLLER/WHEEL	BRASS	-
20	L-8502-1	1	SILL TRACK INSERT	6063-T6	-
21	L-7539	2/ VENT	VENT LATCH	6063-T6	AT 12' FROM ENDS
55	L-7523	1/ LATCH	VENT LATCH SPRING	ST. STEEL	
53	-	1/ WEEP	ADHESIVE BACK OPEN CELL FOAM	-	1/2' X 1-3/8" X 2" LONG
24	WFC-002	1/ WEEP	BAFFLE	NYLON	ALTERNATE TO (5)
25	-	4	ADHESIVE BACK CLOSED CELL FOAM	-	3/8" X 1/4" X 1/2" LONG

ROLL FORMED ALUM GLAZING BEAD -3/16' ANN. GLASS BEDDING COMPOUND GLAZING DETAIL

1 BY OR 2 BY WOOD BUCK

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

8.0 PSF BAFFLE

TYPICAL ANCHORS: SEE ELEV./CHART FOR SPACING

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE # 10 SMS OR 3/16" TAPCONS OR 1/4" TAPCONS 1-1/4" MIN. PENETRATION INTO WOOD

THRU 1BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY 3/16" TAPCONS OR

1/4" TAPCONS

1-1/4" MIN. EMBED INTO MASONRY OR CONC.

SEALANTS:

FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

WEEPHOLES:

1-1/2" X .285" WEEPS WITH 9.0 PSF BAFFLE 1" X .090" WEEPS WITH 8.0 PSF BAFFLE AT 3-1/2" AND 34-5/8" FROM EACH END OF FRAME

Engr: DR. HUMAYOUN FAROOQ STRUCTURES FLA. PE # 16557

PRODUCT REVISED Acceptance No 02-1216.14
Expiration Date 02/18/08 Welver

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX. (305) 262-6978

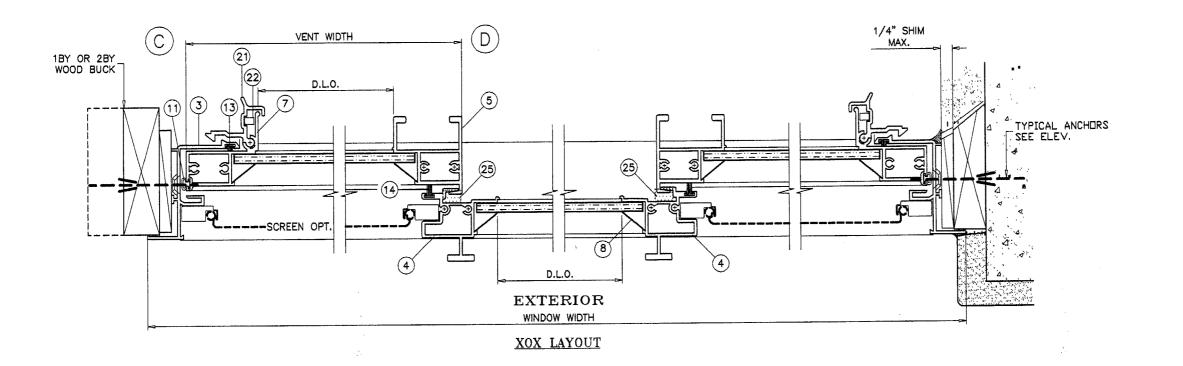
WINDOW

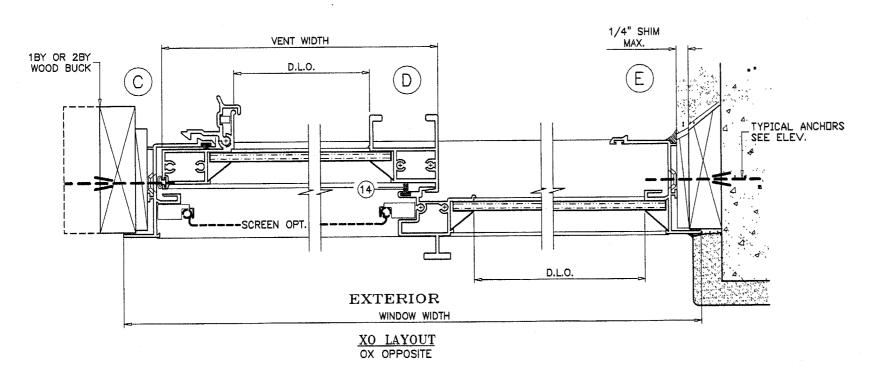
LAWSON INDUSTRIES
8501 N.W. 90TH STREET
MEDLEY, FL. 33160
TEL. (305) 696–8660 FAY 777

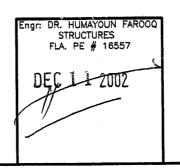
by description ADDRESS REV. revisions: no date A 12.09.02

drawing no. W99-60

sheet 3 of 5







PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 02-1216.14
Expiration Date 02118 08

Comp-ant/w99 Component Component Component Comp-ant/w99-	SERIES-8500 HORIZ. ROLLING WINDOW AL-FAROOQ CORPORA
(revisions: no date	A 12.09.02 ADDRESS REV. Color.
revisions: no date by A 12.09.02	6 Solution (Control of the control o
	drawing no. W99-60

